

=> s salinospora

L1 4 SALINOSPORA

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 3 DUP REM L1 (1 DUPLICATE REMOVED)

=> d ab bib 1-3

L2 ANSWER 1 OF 3 USPATFULL on STN

AB The invention is the discovery of an actinomycete genus, given the name **Salinospora** gen. nov., that displays an obligate requirement of seawater (Na.sup.+) for growth and unique 16S rRNA signature nucleotides. The invention is also the use of the genus for the production and discovery of active biomolecules such as pharmaceutical agents, agrichemicals, immunomodifiers, enzymes and enzyme inhibitors.

AN 2003:225883 USPATFULL

TI Marine actinomycete taxon for drug and fermentation product discovery

IN Fenical, William, Del Mar, CA, UNITED STATES

Jensen, Paul R., San Diego, CA, UNITED STATES

Mincer, Tracy J., San Diego, CA, UNITED STATES

PI US 2003157695 A1 20030821

AI US 2001-991518 A1 20011116 (9)

PRAI US 2000-249356P 20001116 (60)

DT Utility

FS APPLICATION

LREP BROWN, MARTIN, HALLER & MCCLAIN LLP, 1660 UNION STREET, SAN DIEGO, CA, 92101-2926

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 759

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN

AB A member of the "**Salinospora**" group was examd. and was found that strain CNB-392 produces the chem. unique and highly bioactive metabolite salinosporamide A. Salinosporamide A exhibits potent cancer cell cytotoxicity and appears to exert its cytotoxic effects through inhibition of the 20S proteasome. "**Salinospora**" strain CNB-392 was isolated from a heat-treated marine sediment sample that was plated on sea-water-based agar nutrient medium. Salinosporamide A appears to be a direct product of the fermm. rather than a subsequent transformation product of a precursor similar in structure to that of lactacystin. Salinosporamide A displayed potent in vitro cytotoxicity against HCT-116 human colon carcinoma with an IC50 value of 11 ng/mL. This compd. also displayed potent and highly selective activity in the NCI's 60-cell-line panel with a mean GI50 value (the concn. required to achieve 50% growth inhibition) of less than 10 nM and a greater than 4 log LC50 differential between resistant and susceptible cell lines. The unique functionalization of the core bicyclic ring structure of salinosporamide A appears to have resulted in a mol. that is a significantly more potent proteasome inhibitor than omuralide.

AN 2003:101938 CAPLUS

DN 139:81745

TI Salinosporamide A: a highly cytotoxic proteasome inhibitor from a novel microbial source, a marine bacterium of the new genus **Salinospora**

AU Feling, Robert H.; Buchanan, Greg O.; Mincer, Tracy J.; Kauffman, Christopher A.; Jensen, Paul R.; Fenical, William

CS Center for Marine Biotechnology and Biomedicine Scripps Institution of Oceanography, University of California, La Jolla, CA, 92093-0204, USA

SO Angewandte Chemie, International Edition (2003), 42(3), 355-357

CODEN: ACIEF5; ISSN: 1433-7851

PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1  
AB The invention concerns the discovery of an actinomycete genus, given the name *Salinospora* gen. no., that displays an obligate requirement of the seawater (NA) for growth and unique 16S rRNA signature nucleotides. The invention is also the use of the genus for the prodn. and discovery of active biomols. such as pharmaceutical agents, agrichems., immunomodifiers, enzymes and enzyme inhibitors.

AN 2002:465746 CAPLUS  
DN 137:43910

TI Marine actinomycete taxon for drug and fermentation product discovery  
IN Fenical, William; Jenson, Paul R.; Mincer, Tracy J.  
PA The Regents of the University of California, USA  
SO PCT Int. Appl., 30 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002047610	A2	20020620	WO 2001-US43758	20011116
	WO 2002047610	A3	20021010		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002043228	A5	20020624	AU 2002-43228	20011116
	US 2003157695	A1	20030821	US 2001-991518	20011116
	EP 1341414	A2	20030910	EP 2001-989109	20011116
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	US 2000-249356P	P	20001116		
	WO 2001-US43758	W	20011116		

=> DIS HIST

(FILE 'HOME' ENTERED AT 14:15:28 ON 11 SEP 2003)

FILE 'CAPLUS, BIOSIS, USPATFULL, WPIDS, AGRICOLA' ENTERED AT 14:15:45 ON 11 SEP 2003

L1 4 S SALINOSPORA  
L2 3 DUP REM L1 (1 DUPLICATE REMOVED)

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